

AMENDMENTS TO THE SPECIFICATION:

Please REPLACE the paragraph [0026] at page 6 with the following rewritten paragraph:

[0026] The ~~4MC-IMC~~ IMC 6 handles the radio resources and channel configurations of the BTS 5 and converts IP traffic received from the LAN 3 to pulse code modulated GSM traffic for transmission by the BTS 5 and vice versa.

Please REPLACE the paragraph [0027] at page 6 with the following rewritten paragraph:

[0027] Coupled to the LAN 3 is the gatekeeper 7. The gatekeeper 7 provides the WIO network call control functions, for example call forwarding and automatic rerouting. The gatekeeper 7, acting as a network controller, is responsible, when a call is being established, for instructing the ~~4MC-IMC~~ IMC 6 to allocate the respective communication channel between the BTS 5 and radiotelephone 4 to an available timeslot on the carrier frequency of the BTS's 5 transceiver.

Please REPLACE the paragraph [0029] at page 6 with the following rewritten paragraph:

[0029] The change in data rate is initiated by sending a control signal from the gatekeeper 7 to the respective radiotelephones 4 instructing the radiotelephones 4 to operate at either full speech rate or half speech rate. The moving of two half speech rate channels to a single timeslot is initiated by instructing the ~~4MC-IMC~~ IMC 6 to control the hand-over.

Please REPLACE the paragraph [0045] at page 9 with the following rewritten

paragraph:

[0045] In response to subscriber B answering the paging requests the gatekeeper 7 informs the ~~1MG~~IMC 6 to establish a connection between subscriber A and subscriber B over respective timeslots. Therefore, one communication channel will be established in one timeslot between subscriber A and the BTS 5 and a second communication channel will be established in a second timeslot between subscriber B and the BTS 5.

Please REPLACE the paragraph [0046] beginning at page 9 with the following rewritten paragraph:

[0046] The above embodiment of the WIO network 2 has only eight available timeslots (i.e. the network has a single BTS 5 with a single transceiver). Of the eight available timeslots one timeslot is used for the broadcast control channel (BCCI-I), a second timeslot is used for the communication channel between subscriber A and the BTS 5 and a third timeslot is used for the communication channel between subscriber B and the BTS 5. If two further calls are established between users within the WIO network 2 (i.e. four channels are established over four of the five available timeslots) this will only leave one timeslot available. To ensure sufficient resources are available for further connections, the gatekeeper 7 instructs two of the subscribers currently utilizing a timeslot at full speech rate to change to half speech rate and for the ~~1MC~~IMC 6 to combine the two half speech rate channels onto the same timeslot. This allows one of the timeslots to be released. Subsequently, if some of the connections are dropped, the gatekeeper 7 can instruct the subscribers transmitting at half speech rate to transmit at full speech rate and for the ~~1MC~~IMC 6 to ensure the respective subscribers are placed on separate timeslots

Please REPLACE the paragraph [0049] at page 10 with the following rewritten

paragraph:

[0049] Subscriber C dials and transmits to the BTS 5 the telephone number of subscriber D. The BTS 5 converts the call request from a RF signal into PCM format for transmission to the ~~HMC~~IMC 6, via the PCM 30 link.

Please REPLACE the paragraph [0050] at page 10 with the following rewritten paragraph:

[0050] The ~~HMC~~IMC 6 converts the PCM signal into IP traffic and passes the call request, via the LAN 3, to the gatekeeper 7

Please REPLACE the paragraph [0051] beginning at page 10 with the following rewritten paragraph:

[0055] In this example, of the eight available timeslots transmitted by the BTS 5, one timeslot is used for the BCCH and a second timeslot is used for the communication channel between the BTS 5 and subscriber C, which is used for establishing a connection with subscriber D in the GSM operator network 18. If two further calls are placed between the WIO network 2 and the GSM operator network 18 and two calls are established between subscribers within the WIO network 2 this would result in all eight timeslots being allocated. One timeslot for the BCCH, three timeslots for calls placed between the WIO network 2 and GSM network 18 and four timeslots for the two internal WIO network 2 calls. In response to all eight timeslots being allocated, the gatekeeper can dynamically allocate channels to increase resources, as described above. Alternatively the gatekeeper 7 can dynamically allocate channels on initiation of a call from the GSM operator network 18. In response to a call request received by the gatekeeper 7 from a user on the GSM operator network ~~3-18~~ wanting to establish a call with a subscriber of the WIO network 2, the gatekeeper 7 instructs two WIO subscribers,

each utilize a timeslot at full speech rate, to change to half speech rate and for the ~~IMC~~ IMC 6 to combine the two half speech rate channels onto the same timeslot. This results in one of the timeslots being released, thereby allowing a call to be placed between the WIO subscriber and GSM operator network user.